



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 2

**Complete if Known**

Application Number	10/717,025
Filing Date	11-18-2003
First Named Inventor	Leslie G. Christie, Jr.
Art Unit	2651
Examiner Name	Jason C. Olson
Attorney Docket Number	10018650-1

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 6,229,772	05-2001	Kumagai et al.	
		US- 6,603,725	08-2003	Sanada et al.	
		US- 6,021,102	02-2000	Seto et al.	
		US- 5,974,014	10-1999	Tajiri, Takashi	
		US- 6,031,676	02-2000	Oenes et al.	
		US- 6,213,705	04-2002	Wilson	
		US- 6,219,313	04-2001	Ries et al.	
		US- 6,297,924	10-2001	Thomas, III et al.	
		US- 6,298,017	10-2001	Kulakowski et al.	
		US- 4,846,619	07-1989	Crabtree et al.	
		US- 5,099,465	03-1992	Geiger et al.	
		US- 6,441,984	08-2002	Tsurumaki	
		US- 6,262,960	07-2001	Watanabe, Toshio	
		US- 6,104,693	08-2000	Coffin et al.	
		US- 5,325,243	06-1994	Rath et al.	
		US- 6,160,786	12-2000	Coffin et al.	
		US- 5,612,831	03-1997	Gallo et al.	
		US- 6,473,706	10-2002	Gallo et al.	
		US- 6,693,858	02-2004	Reasoner et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>4</sup>
		Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>3</sup> (if known)				
		EP 1217621	06-26-2002	Thomson Multimedia		
		EP 1074986	02-07-2001	Pioneer Corporation		
		EP 0833327	04-01-1998	ALPS Electric Co. Ltd.		
		EP 0542482	05-19-2003	Sony Corporation		

Examiner  
SignatureDate  
Considered

2/22/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.**

Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

Sheet	2	of	2
-------	---	----	---

**Complete if Known**

Application Number	10/717,025
--------------------	------------

Filing Date	11-18-2003
-------------	------------

First Named Inventor	Leslie G. Christie, Jr.
----------------------	-------------------------

Art Unit	2651
----------	------

Examiner Name	Jason C. Olson
---------------	----------------

Attorney Docket Number	10018650-1
------------------------	------------

[illegible][illegible]

**Examiner  
Signature**

Date	Considered
11/1/80	11/1/80
11/2/80	11/2/80
11/3/80	11/3/80
11/4/80	11/4/80
11/5/80	11/5/80
11/6/80	11/6/80
11/7/80	11/7/80
11/8/80	11/8/80
11/9/80	11/9/80
11/10/80	11/10/80
11/11/80	11/11/80
11/12/80	11/12/80
11/13/80	11/13/80
11/14/80	11/14/80
11/15/80	11/15/80
11/16/80	11/16/80
11/17/80	11/17/80
11/18/80	11/18/80
11/19/80	11/19/80
11/20/80	11/20/80
11/21/80	11/21/80
11/22/80	11/22/80
11/23/80	11/23/80
11/24/80	11/24/80
11/25/80	11/25/80
11/26/80	11/26/80
11/27/80	11/27/80
11/28/80	11/28/80
11/29/80	11/29/80
11/30/80	11/30/80

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**